**To:** Ben Giudice[Ben@robertson-bryan.com]; Chan, Teresa[Teresa.Chan@icfi.com]; Roy, Gregg[Gregg.Roy@icfi.com]; Enos, Cassandra@DWR[Cassandra.Enos@water.ca.gov]; Centerwall, Steve[Steve.Centerwall@icfi.com]; Skophammer, Stephanie[SKOPHAMMER.STEPHANIE@EPA.GOV]

**From:** Foresman, Erin **Sent:** Fri 7/31/2015 3:58:21 PM

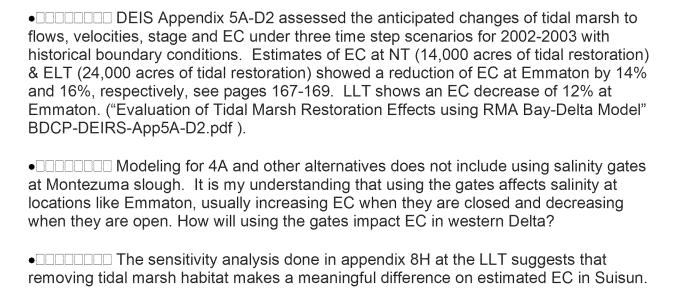
Subject: RE: Discussion with EPA on water quality questions

Hi Ben,

I think Stephanie may have sent you the question that I sent originally to Theresa. It's not in my inbox yet though.

I was reading through the Appendix B sensitivity analysis comparing CALSIM II results to baselines and Alt 4 scenarios with and without restoration. I was wondering why there weren't any WQ results in the sensitivity analysis and was wondering how the restoration changes in definition of baseline and alternatives may affect the model predictions and differentials between baselines and alternatives. When I mentioned this at our Friday NEPA meeting, the WaterFix team indicated that WQ sensitivity were done but not included in the SDEIS. Is that right?

My basic question is, does including or excluding tidal restoration (24K at ELT) change estimated EC at monitoring locations like Emmaton in the Delta? The type of sensitivity analysis at the beginning of Appendix B would have addressed that question for WQ. Since we don't have that, I put the pieces of information in the DEIS and SDEIS (that I found) that give me an idea of how tidal restoration may affect EC and other WQ elements that change with EC.



The bulleted information suggests including or excluding tidal restoration would show a meaningful difference in model results between the DEIS and SDEIS baselines and Alt 4 definitions. That is a different conclusion than the Appendix B CALSIM II comparison among baselines and alternatives which suggests there isn't a meaningful difference between the DEIS and SDEIS baselines and Alternative 4 definitions.

It would be really helpful to get thoughts from the Water-Fix WQ team on this because I'm not able to read the entire document. There could be other analyses/appendices I've not read, information that I don't have, or conclusions I'm not understanding correctly or precisely.

## Erin Foresman

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Schedule: M 7:30a - 4:00p; T - F 7:30a - 2:00p

From: Ben Giudice [mailto:Ben@robertson-bryan.com]

Sent: Friday, July 31, 2015 8:12 AM

To: Chan, Teresa; Roy, Gregg; Foresman, Erin; Enos, Cassandra@DWR; Centerwall, Steve;

Skophammer, Stephanie

Subject: RE: Discussion with EPA on water quality questions

Hi all,

Erin - would it be possible to send me/us a quick list of the water quality questions we may discuss this morning so I can prepare? I know they were discussed briefly at a past meeting, but I was not in attendance.

Thanks.

Ben D. Giudice, Ph.D., P.E.

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## ben@robertson-bryan.com

----Original Appointment----

From: Chan, Teresa [mailto:Teresa.Chan@icfi.com]

**Sent:** Monday, July 27, 2015 11:39 AM

To: Chan, Teresa; Roy, Gregg; foresman.erin@epa.gov; Enos, Cassandra@DWR; Centerwall, Steve;

Ben Giudice; Skophammer, Stephanie

Subject: Discussion with EPA on water quality questions

When: Friday, July 31, 2015 10:45 AM-11:30 AM (UTC-08:00) Pacific Time (US & Canada).

Where: 1-877-423-6338 (passcode: 914721)